

WHAT IS CLAIMED IS:

1. A method for operating a test bench to carry out simulation drives of a vehicle placed on the test bench, comprising:
 - contacting at least one wheel of the vehicle to at least one roller of the test bench;
 - measuring a reaction torque of the roller in relation to the vehicle wheel on the roller of the test bench; and
 - determining a setpoint speed of the roller from the measured reaction torque.
2. The method according to claim 1, wherein the test bench is a roller test bench.
3. The method as claimed in Claim 1, further comprising calculating a reaction force from the reaction torque and a radius of the roller.
4. The method as claimed in Claim 3, further comprising:
 - calculating at least one additional reaction force for at least one additional roller; and
 - adding the additional reaction force to the calculated reaction force.
5. The method as claimed in Claim 3, wherein at least one additional force is added to the calculated reaction force.

6. The method as claimed in Claim 5, wherein the additional force comprises a gradient resistance.

7. The method as claimed in Claim 5, wherein the additional force comprises a drag force.

8. The method as claimed in Claim 3, further comprising calculating a further value from the reaction force and a mass value m for the vehicle.

9. The method as claimed in Claim 3, further comprising calculating a setpoint acceleration a of the roller from the reaction force F and a mass value m for the vehicle using the formula $a = F / m$.

10. A test bench, comprising:
at least one roller configured to indirectly or directly contact at least one wheel of a vehicle;
means for measuring a reaction torque of the roller in relation to the vehicle wheel; and
means for determining a setpoint speed of the roller from the measured reaction torque.

11. The test bench as claimed in claim 10, wherein the test bench is a roller test bench.